

FIG. 1

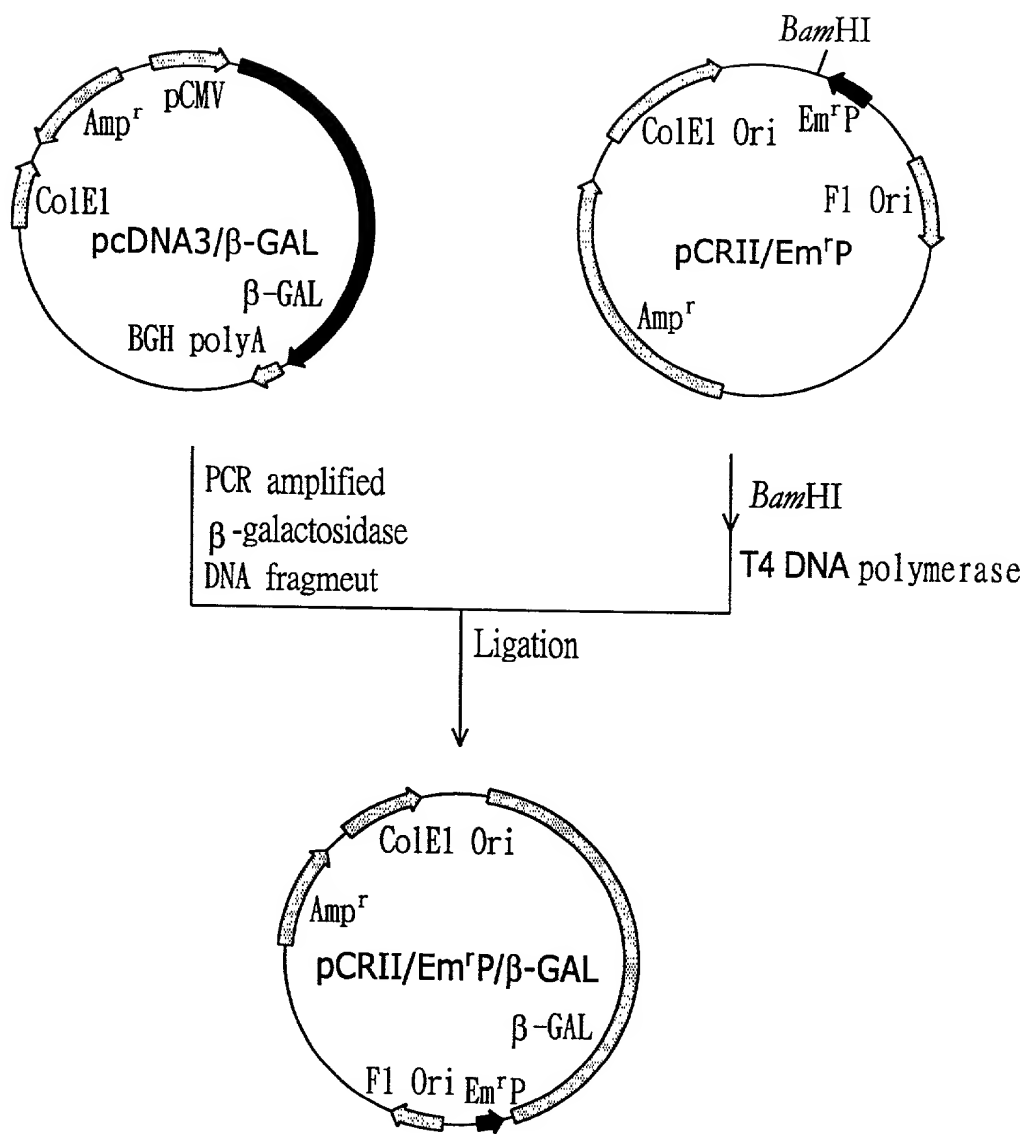


FIG. 2

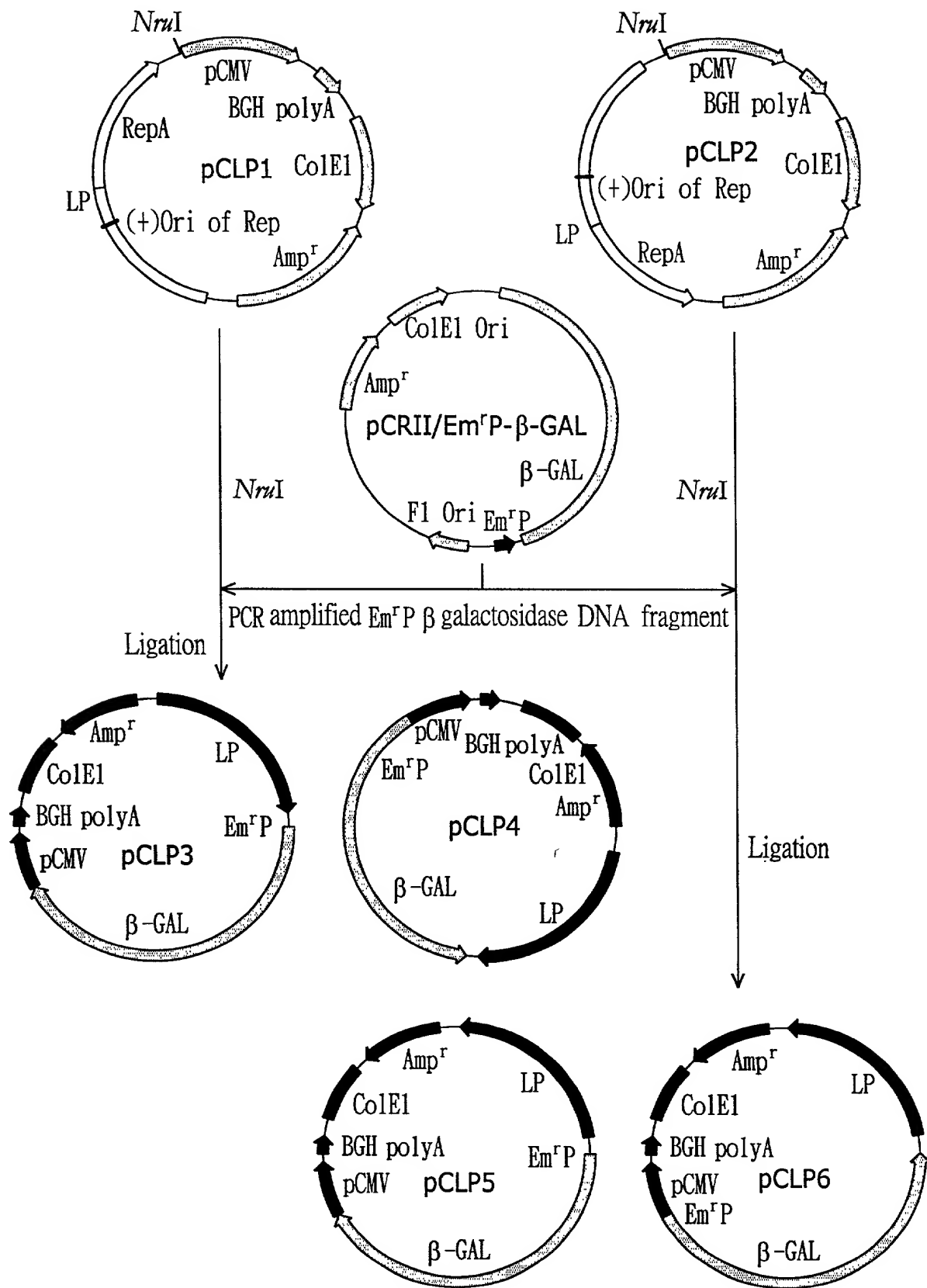


FIG. 3

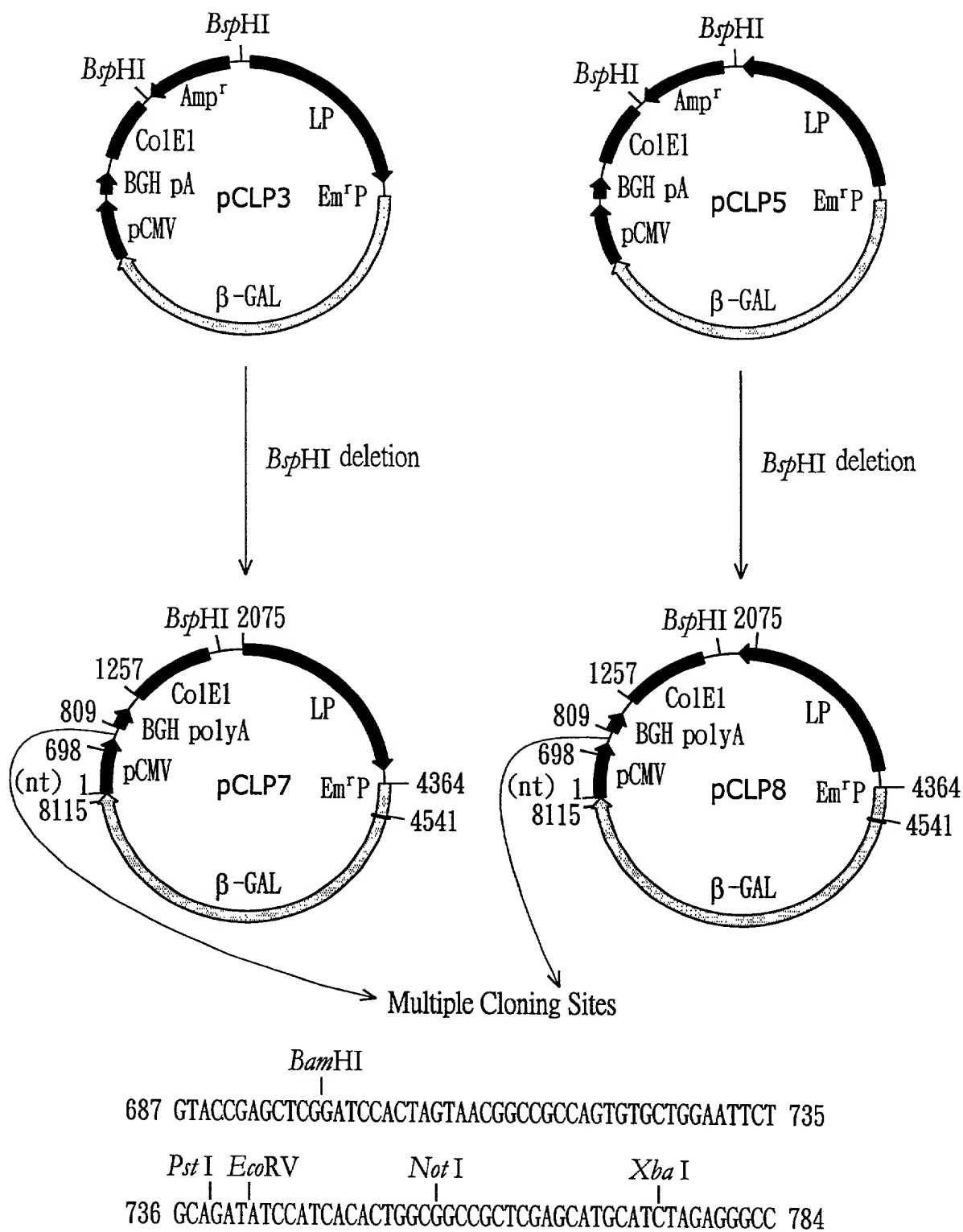


FIG. 4

10 20 30 40 50 60  
 GATGTACGGG CCAGATATAC GCGTTGACAT TGATTATTGA CTAGTTATTA ATAGTAATCA  
 70 80 90 100 110 120  
 ATTACGGGGT CATTAGTTCA TAGCCCATAT ATGGAGTTCC GCGTTACATA ACTTACGGTA  
 130 140 150 160 170 180  
 AATGGCCCGC CTGGCTGACC GCCCAACGAC CCCC GCCCAT TGACGTCAAT AATGACGTAT  
 190 200 210 220 230 240  
 GTTCCCATAG TAACGCCAAT AGGGACTTTC CATTGACGTC AATGGGTGGA CTATTTACGG  
 250 260 270 280 290 300  
 TAAACTGCCC ACTTGGCAGT ACATCAAGTG TATCATATGC CAAGTACGCC CCCTATTGAC  
 310 320 330 340 350 360  
 GTCAATGACG GTAAATGGCC CGCCTGGCAT TATGCCCAGT ACATGACCTT ATGGGACTTT  
 370 380 390 400 410 420  
 CCTACTTGGC AGTACATCTA CGTATTAGTC ATCGCTATTA CCATGGTGAT GCGGTTTTGG  
 430 440 450 460 470 480  
 CAGTACATCA ATGGGCGTGG ATAGCGGTTT GACTCACGGG GATTTCCAAG TCTCCACCCC  
 490 500 510 520 530 540  
 ATTGACGTCA ATGGGAGTTT GTTTTGGCAC CAAAATCAAC GGGACTTTCC AAAATGTCGT  
 550 560 570 580 590 600  
 AACAACTCCG CCCCATTGAC GCAAATGGGC GGTAGGCGTG TACGGTGGGA GGTCTATATA  
 610 620 630 640 650 660  
 AGCAGAGCTC TCTGGCTAAC TAGAGAACCC ACTGCTTACT GGCTTATCGA AATTAATACG  
 670 680 690 700 710 720  
 ACTCACTATA GGGAGACCCA AGCTTGGTAC CGAGCTCGGA TCCACTAGTA ACGGCCGCCA  
 730 740 750 760 770 780  
 GTGTGCTGGA ATTCTGCAGA TATCCATCAC ACTGGCGGCC GCTCGAGCAT GCATCTAGAG  
 790 800 810 820 830 840  
 GGCCCTATTTC TATAGTGTCA CCTAAATGCT AGAGCTCGCT GATCAGCCTC GACTGTGCCT  
 850 860 870 880 890 900  
 TCTAGTTGCC AGCCATCTGT TGT TTGCCCC TCCCCCGTGC CTTCTTGAC CCTGGAAGGT  
 910 920 930 940 950 960  
 GCCACTCCCA CTGTCCTTTC CTAATAAAAT GAGGAAATTG CATCGCATTG TCTGAGTAGG  
 970 980 990 1000 1010 1020  
 TGTCATTCTA TTCTGGGGGG TGGGGTGGGG CAGGACAGCA AGGGGGAGGA TTGGGAAGAC  
 1030 1040 1050 1060 1070 1080  
 AATAGCAGGC ATGCTGGGGA TCGGGTGGGC TCTATGGCTT CTGAGGCGGA AAGAACCAGC  
 1090 1100 1110 1120 1130 1140  
 TGCATTAATG AATCGGCCAA CGCGCGGGGA GAGGCGGTTT GCGTATTGGG CGCTCTTCCG  
 1150 1160 1170 1180 1190 1200  
 CTTCTCTGCT CACTGACTCG CTGCGCTCGG TCGTTGCGCT GCGGCGAGCG GTATCAGCTC

FIG. 5A

FIG. 5B

FIG. 5C

FIG. 5D

FIG. 5E

FIG. 5F

FIG. 5G

FIG. 5A

1210	1220	1230	1240	1250	1260
ACTCAAAGGC	GGTAATACGG	TTATCCACAG	AATCAGGGGA	TAACGCAGGA	AAGAACATGT
1270	1280	1290	1300	1310	1320
GAGCAAAAGG	CCAGCAAAAG	GCCAGGAACC	GTAAAAAGGC	CGCGTTGCTG	GCGTTTTTCC
1330	1340	1350	1360	1370	1380
ATAGGCTCCG	CCCCCCTGAC	GAGCATCACA	AAAATCGACG	CTCAAGTCAG	AGGTGGCGAA
1390	1400	1410	1420	1430	1440
ACCCGACAGG	ACTATAAAGA	TACCAGGCGT	TTCCCCCTGG	AAGCTCCCTC	GTGCGCTCTC
1450	1460	1470	1480	1490	1500
CTGTTCCGAC	CCTGCCGCTT	ACCGGATACC	TGTCCGCTT	TCTCCCTTCG	GGAAGCGTGG
1510	1520	1530	1540	1550	1560
CGCTTTCTCA	ATGCTCACGC	TGTAGGTATC	TCAGTTCGGT	GTAGGTCGTT	CGCTCCAAGC
1570	1580	1590	1600	1610	1620
TGGGCTGTGT	GCACGAACCC	CCCGTTCAGC	CCGACCGCTG	CGCCTTATCC	GGTAACATATC
1630	1640	1650	1660	1670	1680
GTCTTGAGTC	CAACCCGGTA	AGACACGACT	TATCGCCACT	GGCAGCAGCC	ACTGGTAACA
1690	1700	1710	1720	1730	1740
GGATTAGCAG	AGCGAGGTAT	GTAGGCGGTG	CTACAGAGTT	CTTGAAGTGG	TGGCCTAACT
1750	1760	1770	1780	1790	1800
ACGGCTACAC	TAGAAGGACA	GTATTTGGTA	TCTGCGCTCT	GCTGAAGCCA	GTTACCTTCG
1810	1820	1830	1840	1850	1860
GAAAAAGAGT	TGGTAGCTCT	TGATCCGGCA	AACAAACCAC	CGCTGGTAGC	GGTGGTTTTT
1870	1880	1890	1900	1910	1920
TTGTTTGCAA	GCAGCAGATT	ACGCGCAGAA	AAAAAGGATC	TCAAGAAGAT	CCTTTGATCT
1930	1940	1950	1960	1970	1980
TTTCTACGGG	GTCTGACGCT	CAGTGGAAACG	AAAACTCACG	TTAAGGGATT	TTGGTCATGA
1990	2000	2010	2020	2030	2040
GCGGATACAT	ATTTGAATGT	ATTTAGAAAA	ATAAACAAAT	AGGGGTTCGG	CGCACATTTT
2050	2060	2070	2080	2090	2100
CCCGAAAAGT	GCCACCTGAC	GTCGACGGAT	CGGGAGATCA	ACGGTAAATC	CGTTGGCATA
2110	2120	2130	2140	2150	2160
TCCCTTTTTT	GTGTGTCAGCT	TGCTGACTTC	TGATACAGGT	TTTAGCATTA	CTCCAATTTA
2170	2180	2190	2200	2210	2220
TTTGGAGTGT	AAGTGCACAT	TATCATGTAG	TGCGCATTAT	CATGTAGTGC	GCATTATCAT
2230	2240	2250	2260	2270	2280
GTAGTGCGCA	TTATCATGTA	GTGCGCATTA	TCATGTAGTG	CGCATTATCA	TGTAGTGCGC
2290	2300	2310	2320	2330	2340
ATTATCATGT	AGTGCGCACA	TTATCATGTA	CATTATCATG	TAGTGCGCAT	TATCATGTAG
2350	2360	2370	2380	2390	2400
TGCGCACATT	ATCATGTAGT	GCGCATTATC	ATGTAGTGCG	CATTATCATG	TAGTGCGCAC

FIG. 5B

2410	2420	2430	2440	2450	2460
TTACACACAA	CATGAAGTTG	TGTTGTGCTA	AACCCATCAA	AACCTGCATC	AGATTTCGCG
2470	2480	2490	2500	2510	2520
TTGCTCAAAC	GTAAGTACT	TGCGTCAGTT	TGGAACATTC	AAAAATAAAT	AAGTTCAGTC
2530	2540	2550	2560	2570	2580
GCTAGCTCCT	TCGAACTTTT	TTATTTTTGA	ACGTTAATTT	TAAAGGCTCT	TATTTGCGTT
2590	2600	2610	2620	2630	2640
CTAAGCGATT	TTAGCTAACA	GTTAGCTATC	TAAGTGTCTG	TCAACGGTAA	ATCGACTTAG
2650	2660	2670	2680	2690	2700
AGGGGCTTAT	TGAGCCTTAC	AGGCGATATT	AGCCCCCTCT	GGAGGCTTTA	AGGAGTTGAT
2710	2720	2730	2740	2750	2760
AGACTAGACA	ATACCAAAAG	CCTGACGTCT	TGGAAAACAA	GCCCTTGTTT	TCCCAGAGCCC
2770	2780	2790	2800	2810	2820
AGCGGCGGCA	AGCGTTACGG	TCCAGCTGGT	TCAGCTGGTC	AGTGTGGCTG	AAAGCCACGG
2830	2840	2850	2860	2870	2880
TTTAAAAAAA	GCAGTTCAGC	GGTTTTTGCT	GATCTGCTTT	TTGGGGTTTA	AAAACGCAAT
2890	2900	2910	2920	2930	2940
TTTTGGCGIT	TTCTTCCTAT	CTTGATACTA	TTAGCAACAA	CTAGTTTTTT	AAAATCAAGC
2950	2960	2970	2980	2990	3000
TTGATTAGGC	TTAATTGGGC	TTGTATCCAT	TGATTTTATA	GGCTTTTGGT	GTATTATTAG
3010	3020	3030	3040	3050	3060
GGTTATAAAT	TGGTTGAAAG	AAAGACAAAA	TAAAAACCCA	CGTGCAAATT	CCTAGTTTGG
3070	3080	3090	3100	3110	3120
CCGCTCGGAA	CACGTGAGTT	GATTATCAAT	TGCGATTTAT	AGCCTATTCT	AGGGGAAAAG
3130	3140	3150	3160	3170	3180
CCCTATGATG	TCAAGGTTAT	AAGCTTATTG	AAAAAGATAG	TCAGCTCCTT	CACGTGGATA
3190	3200	3210	3220	3230	3240
AACTGGAGGA	GCTTTTTATG	TCAGAAATTT	TTGAAGATAA	AACTGAAAAT	GGCAAAGTTA
3250	3260	3270	3280	3290	3300
GACCTTGGCG	AGAACGGAAG	ATTGAAAATG	TGCGCTATGC	CGAATATTTG	GCAATCTTAG
3310	3320	3330	3340	3350	3360
AATTTAAACG	GGCACATGAT	GTACGGGGTT	GTGGTGAAGT	TTTGCGTTTT	CGTAAGATTG
3370	3380	3390	3400	3410	3420
GCGAGCACTT	AAAACTTTAT	CAAACGTGGT	TTTGTCTATA	ACGATTGTGT	CCATTGTGTA
3430	3440	3450	3460	3470	3480
ATTGGAGAAG	GAGCATGAAA	AACTCGAGCC	AGTTAAAACA	AATTATTGCG	GAAGCAGTTG
3490	3500	3510	3520	3530	3540
CAAGAGAGCC	TAAAGGACGG	TTTTTGTTTT	TAACTTTAAC	CGTTAAAAAC	GCTCATTTCG
3550	3560	3570	3580	3590	3600
CAGAGGAGTT	AAAAGTGTCT	TTAAGAGCTT	TGACTAAAGC	CTTTAATAAG	CTAACTCGCT

FIG. 5C

3610	3620	3630	3640	3650	3660
ATAAAAAAGT	GACTAAAAAT	TTATTGGGTT	ATTTACGTTT	AACGGAAATT	ACCGTTAATG
3670	3680	3690	3700	3710	3720
AACAAGACGG	GTCATATAAT	CAACACTTGC	ATGTGTTGCT	GTTTGTAAAA	TCAAGTTATT
3730	3740	3750	3760	3770	3780
TTAAGAATTC	AAATAATTAT	TTAGCACAAAG	CAGAATGGGC	AAAATTATGG	CAAAAAGCCT
3790	3800	3810	3820	3830	3840
TGAAAGTTGA	TTATGAGCCT	GTGGTGCATG	TGCAGGCTGT	TAAAGCTAAC	AAACGTAAAG
3850	3860	3870	3880	3890	3900
GAAGTGAATC	TTTGCAAGCT	AGTGCCGAAG	AAACGGCGAA	ATACGAGGTA	AAATCAGCTG
3910	3920	3930	3940	3950	3960
ATTATATGAC	GGCTGATGAT	GAGCGTAATT	TGGTGGTGAT	TAAAAATTTG	GAGTATGCCT
3970	3980	3990	4000	4010	4020
TAGCTGGAAC	ACGACAAATC	AGCTATGGTG	GATTATTAAA	GCAAATTAAG	CAAGATTTGA
4030	4040	4050	4060	4070	4080
AACTTGAAGA	TGTTGAGAAT	GGTGATTTAG	TTCATGTTGG	CGATGAAGAT	TACACCAAAG
4090	4100	4110	4120	4130	4140
AGCAAATGGA	AGCTGCGGAA	GAAGTTGTCT	CAAAATGGGA	TTTTAATAAA	CAAAATTATT
4150	4160	4170	4180	4190	4200
TTATTTGGTA	AAGAGAATGT	CAGGATATGA	TCTCCCGATC	CCCTATGGTC	GACTCTCAGT
4210	4220	4230	4240	4250	4260
ACAATCTGCT	CTGATGCCGC	ATAGTTAAGC	CAGTATCTGC	TCCCTGCTTG	TGTGTTGGAG
4270	4280	4290	4300	4310	4320
GTCGCTGAGT	AGTGCGCGAG	CAAAATTTAA	GCTACAACAA	GGCAAGGCTT	GACCGACAAT
4330	4340	4350	4360	4370	4380
TGCATGAAGA	ATCTGCTTAG	GGTTAGGCGT	TTTGCGCTGC	TTCGTTAGAA	GCAAACCTAAG
4390	4400	4410	4420	4430	4440
AGTGTGTTGA	GTAGTGCAAT	ATCTTAAAAAT	TTTGTATAAT	AGGAATTGAA	GTTAAATTAG
4450	4460	4470	4480	4490	4500
ATGCTAAAAA	TTTGTAATTA	AGAAGGAGTG	ATTACATGAT	TGGCAGCCAG	TCTCCGGGCA
4510	4520	4530	4540	4550	4560
ATTAATGAAC	TTGGACATGG	TTGACGACCC	GGTCTTTGCA	AGCCGAATTC	GACCACACTG
4570	4580	4590	4600	4610	4620
GCGGCCGTTA	CTAGGGTATC	GATCCGATAA	AAAGTTAGGC	GACGGCTTTG	CCCTGGTGCC
4630	4640	4650	4660	4670	4680
AGCAGACGGT	AAGGTCTACG	CGCCATTTGC	CGGTACTGTC	CGCCAGCTGG	CCAAGACCCG
4690	4700	4710	4720	4730	4740
GCACTCGATC	GTCCTGGAAA	ATGAACATGG	GGTCTTGGTC	TTGATTCAAC	TTGGCCTGGG
4750	4760	4770	4780	4790	4800
CACGGTCAAA	TTAAACGGGA	CTGGCTTTGT	CAGCTATGTT	GAAGAGGGCA	GCCAGGTAGA

FIG. 5D

4810	4820	4830	4840	4850	4860
AGCCGGCCAG	CAGATCCTGG	AATTCCTGGGA	CCCGGCGATC	AAGCAGGCCA	AGCTGGACGA
4870	4880	4890	4900	4910	4920
CACGGTAATC	GTGACCGTCA	TCAACAGCGA	AACCTTCACA	AATAGCCAGA	TGCTCTTGCC
4930	4940	4950	4960	4970	4980
GATCGGCCAC	AGCGTCCAAG	CCCTGGATGA	TGTATTCAAG	TTAGAAGGGA	AGAATTAGAA
4990	5000	5010	5020	5030	5040
AATGAGCAAT	AAGTTAGTAA	AAGAAAAAAG	AGTTGACCAG	GCAGACCTGG	CCTGGCTGAC
5050	5060	5070	5080	5090	5100
TGACCCGGAA	GTTTACGAAG	TCAATACAAT	TCCCCCGCAC	TCCGACCATG	AGTCCTTCCA
5110	5120	5130	5140	5150	5160
AAGCCAGGAA	GAAGTGGAGG	AGGGCAAGTC	CAGTTTAGTG	CAGTCCCTGG	ACGGGGACTG
5170	5180	5190	5200	5210	5220
GCTGATTGAC	TACGCTGAAA	ACGGCCAGGG	ACCAGTCAAC	TTCTATGCAG	AAGACTTTGA
5230	5240	5250	5260	5270	5280
CGATAGCAAT	TTTAAGTCAG	TCAAAGTACC	CGGCAACCTG	GAAGTGCAAG	GCTTTGGCCA
5290	5300	5310	5320	5330	5340
GCCCCAGTAT	GTCAACGTCC	AATATCCATG	GGACGGCAGT	GAGGAGATTT	TCCCCCCCCA
5350	5360	5370	5380	5390	5400
AATTCCAAGC	AAAAATCCGC	TCGCTTCTTA	TGTCAGATAC	TTTGACCTGG	ATGAAGCTTT
5410	5420	5430	5440	5450	5460
CTGGGACAAG	GAAGTCAGCT	TGAAGTTTGA	CGGGGCGGCA	ACAGCCATCT	ATGTCTGGCT
5470	5480	5490	5500	5510	5520
GAACGGCCAC	TTCGTGGCT	ACGGGGAAGA	CTCCTTTACC	CCAAGCGAGT	TTATGGTTAC
5530	5540	5550	5560	5570	5580
CAAGTTCCCT	AAGAAAGAAA	ATAACCGCCT	GGCAGTGGCT	CTCTACAAGT	ATTCTTCCGC
5590	5600	5610	5620	5630	5640
CTCCTGGCTG	GAAGACCAGG	ACTTCTGGCG	CATGTCTGGT	TTGTTTCAGAT	CAGTGACTCT
5650	5660	5670	5680	5690	5700
TCAGGCCAAG	CCGCGTCTGC	ACTTGGAGGA	CCTTAAGCTT	ACGGCCAGCT	TGACCGATAA
5710	5720	5730	5740	5750	5760
CTACCAAAAA	GGAAAGCTGG	AAGTCGAAGC	CAATATTGCC	TACCGCTTGC	CAAATGCCAG
5770	5780	5790	5800	5810	5820
CTTTAAGCTG	GAAGTGGGG	ATAGTGAAGG	TGACTTGGTT	GCTGAAAAGC	TGGGCCCAAT
5830	5840	5850	5860	5870	5880
CAGAAGCGAG	CAGCTGGAAT	TCACCTCTGGC	TGATTTGCCA	GTAGCTGCCT	GGAGCGCGGA
5890	5900	5910	5920	5930	5940
AAAGCCTAAC	CTTTACCAGG	TCCGCCTGTA	TTTATACCAG	GCAGGCAGCC	TCTTAGAGGT
5950	5960	5970	5980	5990	6000
TAGCCGGCAG	GAAGTGGGTT	TCCGCAACTT	TGAACTAAAA	GACGGGATTA	TGTACCTTAA

FIG. 5E

6010	6020	6030	6040	6050	6060
CGGCCAGCGG	ATCGTCTTCA	AGGGGGCCAA	CCGGCACGAA	TTTGACAGTA	AGTTGGGTCG
6070	6080	6090	6100	6110	6120
GGCTATCACG	GAAGAGGATA	TGATCTGGGA	CATCAAGACC	ATGAAGCGAA	GCAACATCAA
6130	6140	6150	6160	6170	6180
TGCTGTCCGC	TGCTCTCACT	ACCCGAACCA	GTCCCTCTTT	TACCGGCTCT	GTGACAAGTA
6190	6200	6210	6220	6230	6240
CGGCCCTTAC	GTCATTGATG	AAGCTAACCT	GGAAAGCCAC	GGCACCTGGG	AAAAAGTGGG
6250	6260	6270	6280	6290	6300
GGGGCACGAA	GATCCTAGCT	TCAATGTTCC	AGGCGATGAC	CAGCATTGGC	TGGGAGCCAG
6310	6320	6330	6340	6350	6360
CTTATCCCGG	GTGAAGAACA	TGATGGCTCG	GGACAAGAAC	CATGCTTCAA	TCCTAATCTG
6370	6380	6390	6400	6410	6420
GTCTTTAGGC	AATGAGTCTT	ACGCCGGCAC	TGTCTTTGCC	CAAATGGCTG	ATTACGTCCG
6430	6440	6450	6460	6470	6480
GAAGGCTGAT	CCGACCCGGG	TTCAGCACTA	TGAAGGGGTG	ACCCACAACC	GGAAGTTTGA
6490	6500	6510	6520	6530	6540
CGACGCCACC	CAGATTGAAA	GCCGGATGTA	TGCTCCGGCC	AAGGTAATTG	AAGAATACTT
6550	6560	6570	6580	6590	6600
GACCAATAAA	CCAGCCAAGC	CATTTATCTC	AGTTGAATAC	GCTCACGCCA	TGGGCAACTC
6610	6620	6630	6640	6650	6660
CGTCGGTGAC	CTGGCCGCCT	ACACGGCCCT	GGAAAAATAC	CCCCACTACC	AGGGCGGCTT
6670	6680	6690	6700	6710	6720
CATCTGGGAC	TGGATTGACC	AAGGACTGGA	AAAAGACGGG	CACCTGCTTT	ATGGGGGCGA
6730	6740	6750	6760	6770	6780
CTTCGATGAC	CGGCCAACCG	ACTATGAATT	CTGCGGGAAC	GGCCTGGTCT	TTGCTGACCG
6790	6800	6810	6820	6830	6840
GACTGAATCG	CCGAAACTGG	CTAATGTCAA	GGCCCTTTAC	GCCAACCTTA	AGTTAGAAGT
6850	6860	6870	6880	6890	6900
AAAAGATGGG	CAGCTCTTCC	TCAAAAACGA	CAATTTATTT	ACCAACAGCT	CATCTTACTA
6910	6920	6930	6940	6950	6960
CTTCTTGACT	AGTCTTTTGG	TCGATGGCAA	GTTGACCTAC	CAGAGCCGGC	CTCTGACCTT
6970	6980	6990	7000	7010	7020
TGGCCTGGAG	CCTGGCGAAT	CCGGGACCTT	TGCCCTGCCT	TGGCCGGAAG	TCGCTGATGA
7030	7040	7050	7060	7070	7080
AAAAGGGGAG	GTCGTCTACC	GGGTAACGGC	CCACTTAAAA	GAAGACTTGC	CTTGGGCGGA
7090	7100	7110	7120	7130	7140
TGAGGGCTTC	ACTGTGGCTG	AAGCAGAAGA	AGTAGCTCAA	AAGCTGCCGG	AATTTAAGCC
7150	7160	7170	7180	7190	7200
GGAAGGGCGG	CCAGATTTAG	TTGATTCCGA	CTACAACCTA	GGCCTGAAAG	GAAATAACTT

FIG. 5F

7210	7220	7230	7240	7250	7260
CCAAATTCTC	TTCTCCAAGG	TCAAGGGCTG	GCCGGTTTCC	CTCAAGTATG	CCGGTAGGGA
7270	7280	7290	7300	7310	7320
ATACTTGAAG	CGGCTGCCGG	AATTTACCTT	CTGGCGGGCC	CTGACGGACA	ACGACCGGGG
7330	7340	7350	7360	7370	7380
AGCTGGTTAC	GGCTATGATC	TGGCCCCGGT	GGAAAATGCC	GGCAAGTATG	CCCGCTTGAA
7390	7400	7410	7420	7430	7440
AGACATCAGC	TGCGAGGTCA	AGGAAGACTC	CGTTTTGGTC	AAGACTGCCT	TTACGTTGCC
7450	7460	7470	7480	7490	7500
TGTCGCCTTA	AAGGGTGATT	TAACCGTGAC	CTATGAAGTC	GATGGACGGG	GCAAGATTGC
7510	7520	7530	7540	7550	7560
TGTAACAGCT	GACTTCCCAG	GCGCGGAAGA	AGCTGGTCTC	TTGCCAGCCT	TTGGCTTGAA
7570	7580	7590	7600	7610	7620
CCTGGCCCTG	CCAAAAGAAC	TGACCGATTA	CCGCTACTAT	GGTCTGGGAC	CTAATGAGAG
7630	7640	7650	7660	7670	7680
CTACCCAGAC	CGCTTGGAAG	GTAATTACCT	GGGCATCTAC	CAGGGAGCGG	TAAAAAAGAA
7690	7700	7710	7720	7730	7740
CTTTAGCCCA	TATCGTCCGC	AGGAAACGGG	CAACCGGAGC	AAGGTTCCGT	GGTACCAGCT
7750	7760	7770	7780	7790	7800
CTTTGATGAA	AAGGGCGGCT	TGGAATTTAC	GGCCAATGGG	GCAGACTTGA	ACTTGTCTGC
7810	7820	7830	7840	7850	7860
TTTGCCATAT	TCTGCCGCC	AAATTGAAGC	AGCGGACCAC	GCTTTTGAAC	TGACTAACAA
7870	7880	7890	7900	7910	7920
TTACACTTGG	GTTAGAGCCT	TAAGCGCCCA	GATGGGGGTC	GGCGGGGATG	ACTCCTGGGG
7930	7940	7950	7960	7970	7980
GCAGAAGGTC	CACCCGGAAT	TCTGCCTGGA	TGCTCAAAAA	GCCCCGCCAGC	TTCGCCTGGT
7990	8000	8010	8020	8030	8040
GATTCAGCCC	CTTTTACTAA	AATAAATGCT	ACAATTGACT	TAACAGGATG	AAATTTTAGT
8050	8060	8070	8080	8090	8100
AAAAGCAAAG	CGAGTGAGGA	AGATGGCAAC	GATCAGAGAA	GTGCCAAGGC	AGCCGGCGTG
8110	8120	8130	8140	8150	8160
TCGCTAGCGA	CGGTC.....	.....	.....	.....	.....

FIG. 5G

10	20	30	40	50	60
GATGTACGGG	CCAGATATAC	GCGTTGACAT	TGATTATTGA	CTAGTTATTA	ATAGTAATCA
70	80	90	100	110	120
ATTACGGGGT	CATTAGTTCA	TAGCCCATAT	ATGGAGTTCC	GCGTTACATA	ACTTACGGTA
130	140	150	160	170	180
AATGGCCCCG	CTGGCTGACC	GCCCAACGAC	CCCCGCCCAT	TGACGTCAAT	AATGACGTAT
190	200	210	220	230	240
GTTCCCATAG	TAACGCCAAT	AGGGACTTTC	CATTGACGTC	AATGGGTGGA	CTATTTACGG
250	260	270	280	290	300
TAAACTGCCC	ACTTGGCAGT	ACATCAAGTG	TATCATATGC	CAAGTACGCC	CCCTATTGAC
310	320	330	340	350	360
GTCAATGACG	GTAAATGGCC	CGCCTGGCAT	TATGCCCAGT	ACATGACCTT	ATGGGACTTT
370	380	390	400	410	420
CCTACTTGGC	AGTACATCTA	CGTATTAGTC	ATCGCTATTA	CCATGGTGAT	GCGGTTTTGG
430	440	450	460	470	480
CAGTACATCA	ATGGGCGTGG	ATAGCGGTTT	GACTCACGGG	GATTTCCAAG	TCTCCACCCC
490	500	510	520	530	540
ATTGACGTCA	ATGGGAGTTT	GTTTTGGCAC	CAAAATCAAC	GGGACTTTCC	AAAATGTCGT
550	560	570	580	590	600
AACAACGCCG	CCCCATTGAC	GCAAATGGGC	GGTAGGCGTG	TACGGTGGA	GGTCTATATA
610	620	630	640	650	660
AGCAGAGCTC	TCTGGCTAAC	TAGAGAACCC	ACTGCTTACT	GGCTTATCGA	AATTAATACG
670	680	690	700	710	720
ACTCACTATA	GGGAGACCCA	AGCTTGGTAC	CGAGCTCGGA	TCCACTAGTA	ACGGCCGCCA
730	740	750	760	770	780
GTGTGCTGGA	ATTCTGCAGA	TATCCATCAC	ACTGGCGGCC	GCTCGAGCAT	GCATCTAGAG
790	800	810	820	830	840
GGCCCTATTC	TATAGTGTC	CCTAAATGCT	AGAGCTCGCT	GATCAGCCTC	GACTGTGCCT
850	860	870	880	890	900
TCTAGTTGCC	AGCCATCTGT	TGTTTGCCCC	TCCCCGTC	CTTCCTTGAC	CCTGGAAGGT
910	920	930	940	950	960
GCCACTCCCA	CTGTCCPTTC	CTAATAAAAT	GAGGAAATTG	CATCGCATTG	TCTGAGTAGG
970	980	990	1000	1010	1020
TGTCATTCTA	TTCTGGGGGG	TGGGGTGGGG	CAGGACAGCA	AGGGGGAGGA	TTGGGAAGAC
1030	1040	1050	1060	1070	1080
AATAGCAGGC	ATGCTGGGGA	TGCGGTGGGC	TCTATGGCTT	CTGAGGCGGA	AAGAACCAGC
1090	1100	1110	1120	1130	1140
TGCATTAATG	AATCGGCCAA	CGCGCGGGGA	GAGGCGGTTT	GCGTATTGGG	CGCTCTTCCG
1150	1160	1170	1180	1190	1200
CTTCTCGCT	CACTGACTCG	CTGCGCTCGG	TCGTTGCGCT	GCGGCGAGCG	GTATCAGCTC

FIG. 6A

FIG. 6B

FIG. 6C

FIG. 6D

FIG. 6E

FIG. 6F

FIG. 6G

FIG. 6A

1210	1220	1230	1240	1250	1260
ACTCAAAGGC	GGTAATACGG	TTATCCACAG	AATCAGGGGA	TAACGCAGGA	AAGAACATGT
1270	1280	1290	1300	1310	1320
GAGCAAAAGG	CCAGCAAAAG	GCCAGGAACC	GTAAAAAGGC	CGCGTTGCTG	GCGTTTTTTC
1330	1340	1350	1360	1370	1380
ATAGGCTCCG	CCCCCTGAC	GAGCATCACA	AAAATCGACG	CTCAAGTCAG	AGGTGGCGAA
1390	1400	1410	1420	1430	1440
ACCGGACAGG	ACTATAAAGA	TACCAGGCGT	TTCCCCCTGG	AAGCTCCCTC	GTGCGCTCTC
1450	1460	1470	1480	1490	1500
CTGTTCCGAC	CCTGCCGCTT	ACCGGATACC	TGTCCGCCTT	TCTCCCTTCG	GGAAGCGTGG
1510	1520	1530	1540	1550	1560
CGCTTTCTCA	ATGCTCACGC	TGTAGGTATC	TCAGTTCGGT	GTAGGTCGTT	CGCTCCAAGC
1570	1580	1590	1600	1610	1620
TGGGCTGTGT	GCACGAACCC	CCCGTTCAGC	CCGACCGCTG	CGCCTTATCC	GGTAACTATC
1630	1640	1650	1660	1670	1680
GTCTTGAGTC	CAACCCGGTA	AGACACGACT	TATCGCCACT	GGCAGCAGCC	ACTGGTAACA
1690	1700	1710	1720	1730	1740
GGATTAGCAG	AGCGAGGTAT	GTAGGCGGTG	CTACAGAGTT	CTTGAAGTGG	TGGCCTAACT
1750	1760	1770	1780	1790	1800
ACGGCTACAC	TAGAAGGACA	GTATTTGGTA	TCTGCGCTCT	GCTGAAGCCA	GTTACCTTCG
1810	1820	1830	1840	1850	1860
GAAAAAGAGT	TGGTAGCTCT	TGATCCGGCA	AACAAACCAC	CGCTGGTAGC	GGTGGTTTTT
1870	1880	1890	1900	1910	1920
TTGTTTGCAA	GCAGCAGATT	ACGCGCAGAA	AAAAAGGATC	TCAAGAAGAT	CCTTTGATCT
1930	1940	1950	1960	1970	1980
TTTCTACGGG	GTCTGACGCT	CAGTGGAAACG	AAAACTCACG	TTAAGGGATT	TTGGTCATGA
1990	2000	2010	2020	2030	2040
GCGGATACAT	ATTTGAATGT	ATTTAGAAAA	ATAAACAAAT	AGGGGTTCOG	CGCACATTTT
2050	2060	2070	2080	2090	2100
CCCGAAAAGT	GCCACCTGAC	GTCGACGGAT	CGGGAGATCA	TATCCTGACA	TTCTCTTTAC
2110	2120	2130	2140	2150	2160
CAAATAAAAT	AATTTTGTTT	ATTAAAATCC	CATTTTGCGA	CAACTTCTTC	CGCAGCTTCC
2170	2180	2190	2200	2210	2220
ATTTGCTCTT	TGGTGTAAATC	TTCATCGCCA	ACATGAACTA	AATCACCATT	CTCAACATCT
2230	2240	2250	2260	2270	2280
TCAAGTTTCA	AATCTTGCTT	AATTTGCTTT	AATAATCCAC	CATAGCTGAT	TTGTGCTGTT
2290	2300	2310	2320	2330	2340
CCAGCTAAGG	CATACTCCAA	ATTTTTAATC	ACCACCAAAT	TACGCTCATC	ATCAGCCGTC
2350	2360	2370	2380	2390	2400
ATATAATCAG	CTGATTTTAC	CTCGTATTTT	GCCGTTTCTT	CGGCACTAGC	TTGCAAAGAG

FIG. 6B

2410	2420	2430	2440	2450	2460
TCAGTTCCTT	TACGTTTGTT	AGCTTTAACA	GCCTGCACAT	GCACCACAGG	CTCATAATCA
2470	2480	2490	2500	2510	2520
ACTTTCAAGG	CTTTTTTGCCA	TAATTTTGCC	CATTCTGCTT	GTGCTAAATA	ATTATTTGAA
2530	2540	2550	2560	2570	2580
TTCTTAAAT	AACTTGATTT	TACAAACAGC	AACACATGCA	AGTGTGATT	ATATGACCCG
2590	2600	2610	2620	2630	2640
TCTTGTTTAT	TAACGGTAAT	TTCCGTTGAA	CGTAAATAAC	CCAATAAATT	TTTAGTCACT
2650	2660	2670	2680	2690	2700
TTTTTATAGC	GAGTTAGCTT	ATTAAAGGCT	TTAGTCAAAG	CTCTTAAAGA	CACTTTTAAC
2710	2720	2730	2740	2750	2760
TCCTCTGCTG	AATGAGCGTT	TTTAACGGTT	AAAGTTAAAA	ACAAAAACCG	TCCTTTAGGC
2770	2780	2790	2800	2810	2820
TCTCTTGCAA	CTGCTTCCGC	AATAATTTGT	TTTAACTGGC	TCGAGTTTTT	CATGCTCCTT
2830	2840	2850	2860	2870	2880
CTCCAATTAC	ACAATGGACA	CAATCGTTTA	TGACAAAACC	ACGTTTGATA	AAGTTTTAAG
2890	2900	2910	2920	2930	2940
TGCTCGCCAA	TCTTACGAAA	ACGCAAAACT	TCACCACAAC	CCCGTACATC	ATGTGCCCGT
2950	2960	2970	2980	2990	3000
TTAAATCTTA	AGATTGCCAA	ATATTGGCA	TAGCGCACAT	TTTCAATCTT	CCGTTCTCGC
3010	3020	3030	3040	3050	3060
CAAGGTCTAA	CTTTGCCATT	TTTCAATCTT	TCTTCAAAAA	TTTCTGACAT	AAAAAGCTCC
3070	3080	3090	3100	3110	3120
TCCAGTTTAT	CCACGTGAAG	GAGCTGACTA	TCTTTTTCAT	TAAGCTTATA	ACCTTGACAT
3130	3140	3150	3160	3170	3180
CATAGGGCTT	TTCCCTTAGA	ATAGGCTATA	AATCGCAAAT	GATAATCAAC	TCACGTGTTT
3190	3200	3210	3220	3230	3240
CGAGCGGCCA	AACTAGGAAT	TTGCACGTGG	GTTTTTATTT	TGTCTTTCTT	TCAACCAATT
3250	3260	3270	3280	3290	3300
TATAACCCTA	ATAATACACC	AAAAGCCTAT	AAAATCAATG	GATACAAGCC	CAATTAAAGC
3310	3320	3330	3340	3350	3360
TAATCAAGCT	TGATTTTAAA	AAACTAGTTG	TGCTAATAG	TATCAAGATA	AGAAGAAAAC
3370	3380	3390	3400	3410	3420
GCCAAAAATT	GCGTTTPTAA	ACCCCAAAAA	GCAGATCAGC	AAAAACCGCT	GAAGTCTTTT
3430	3440	3450	3460	3470	3480
TTTTAAACCG	TGGCTTTTCA	CCACACTGAC	CAGCTGAACC	AGCTGGACCG	TAACGCTTGC
3490	3500	3510	3520	3530	3540
CGCCGCTGGG	CTCGGGAAAA	CAAGGGCTTG	TTTTCCAAGA	CGTCAGGCTT	TTGGTATTGT
3550	3560	3570	3580	3590	3600
CTAGTCTATC	AACTCCTTAA	AGCCTCCAAG	AGGGGCTAAT	ATCGCCTGTA	AGGCTCAATA

FIG. 6C

3610	3620	3630	3640	3650	3660
AGCCCCCTCTA	AGTCGATTTA	CCGTTGACAG	ACAGTTAGAT	AGCTAACTGT	TAGCTAAAAT
3670	3680	3690	3700	3710	3720
CGCTTAGAAC	GCAAATAAGA	GCCTTTAAAA	TTAACGTTCA	AAAATAAAAA	AGTTCGAAGG
3730	3740	3750	3760	3770	3780
AGCTAGCGAC	TGAACTTATT	TATTTTTGAA	TGTTCCAAAC	TGACGCAAGT	CAGTTACGTT
3790	3800	3810	3820	3830	3840
TGAGCAACGC	GAAATCTGAT	GCAGGTTTTG	ATGGGTTTAG	CACAACACAA	CTTCATGTTG
3850	3860	3870	3880	3890	3900
TGTGTAAGTG	CGCACTACAT	GATAATGCGC	ACTACATGAT	AATGCGCACT	ACATGATAAT
3910	3920	3930	3940	3950	3960
GTGCGCACTA	CATGATAATG	CGCACTACAT	GATAATGTAC	ATGATAATGT	GCGCACTACA
3970	3980	3990	4000	4010	4020
TGATAATGCG	CACTACATGA	TAATGCGCAC	TACATGATAA	TGCGCACTAC	ATGATAATGC
4030	4040	4050	4060	4070	4080
GCACTACATG	ATAATGCGCA	CTACATGATA	ATGCGCACTA	CATGATAATG	TGCACTTACA
4090	4100	4110	4120	4130	4140
CTCCAAATAA	ATTGGAGTAA	TGCTAAAACC	TGTATCAGAA	GTCAGCAAGC	TGACAACAAA
4150	4160	4170	4180	4190	4200
AAAGGGATAT	GCCAACGGAT	TTACCGTTGA	TCTCCCGATC	CCCTATGGTC	GACTCTCAGT
4210	4220	4230	4240	4250	4260
ACAATCTGCT	CTGATGCCGC	ATAGTTAAGC	CAGTATCTGC	TCCCTGCTTG	TGTGTTGGAG
4270	4280	4290	4300	4310	4320
GTCGCTGAGT	AGTGCGCGAG	CAAAATTTAA	GCTACAACAA	GGCAAGGCTT	GACCGACAAT
4330	4340	4350	4360	4370	4380
TGCATGAAGA	ATCTGCTTAG	GGTTAGGCGT	TTTGCCTGCT	TTCGTTAGAA	GCAAACCTAAG
4390	4400	4410	4420	4430	4440
AGTGTGTTGA	GTAGTGCAGT	ATCTTAAAAT	TTTGTATAAT	AGGAATTGAA	GTTAAATTAG
4450	4460	4470	4480	4490	4500
ATGCTAAAAA	TTTGTAATTA	AGAAGGAGTG	ATTACATGAT	TGGCAGCCAG	TCTCCGGGCA
4510	4520	4530	4540	4550	4560
ATTAATGAAC	TTGGACATGG	TTGACGACCC	GGTCTTTGCA	AGCCGAATTC	GACCACACTG
4570	4580	4590	4600	4610	4620
GCGGCCGTTA	CTAGGGTATC	GATCCGATAA	AAAGTTAGGC	GACGGCTTTG	CCCTGGTGCC
4630	4640	4650	4660	4670	4680
AGCAGACGGT	AAGGTCTACG	CGCCATTTGC	CGGTACTGTC	CGCCAGCTGG	CCAAGACCCG
4690	4700	4710	4720	4730	4740
GCACTCGATC	GTCCTGGAAA	ATGAACATGG	GGTCTTGGTC	TTGATTCACC	TTGGCCTGGG
4750	4760	4770	4780	4790	4800
CACGGTCAAA	TTAAACGGGA	CTGGCTTTGT	CAGCTATGTT	GAAGAGGGCA	GCCAGGTAGA

FIG. 6D

4810	4820	4830	4840	4850	4860
AGCCGGCCAG	CAGATCCTGG	AATTCTGGGA	CCCGCGGATC	AAGCAGGCCA	AGCTGGACGA
4870	4880	4890	4900	4910	4920
CACGGTAATC	GTGACCGTCA	TCAACAGCGA	AACTTTTACA	AATAGCCAGA	TGCTCTTGCC
4930	4940	4950	4960	4970	4980
GATCGGCCAC	AGCGTCCAAG	CCCTGGATGA	TGTATTCAAG	TTAGAAGGGA	AGAATTAGAA
4990	5000	5010	5020	5030	5040
AATGAGCAAT	AAGTTAGTAA	AAGAAAAAAG	AGTTGACCAG	GCAGACCTGG	CCTGGCTGAC
5050	5060	5070	5080	5090	5100
TGACCCGGAA	GTTTACGAAG	TCAATACAAT	TCCCCCGCAC	TCCGACCATG	AGTCCTTCCA
5110	5120	5130	5140	5150	5160
AAGCCAGGAA	GAAGTGGAGG	AGGGCAAGTC	CAGTTTAGTG	CAGTCCCTGG	ACGGGGACTG
5170	5180	5190	5200	5210	5220
GCTGATTGAC	TACGCTGAAA	ACGGCCAGGG	ACCAGTCAAC	TTCTATGCAG	AAGACTTTGA
5230	5240	5250	5260	5270	5280
CGATAGCAAT	TTTAAGTCAG	TCAAAGTACC	CGGCAACCTG	GAAGTGAAG	GCTTTGGCCA
5290	5300	5310	5320	5330	5340
GCCCCAGTAT	GTCAACGTCC	AATATCCATG	GGACGGCAGT	GAGGAGATTT	TCCCGCCCCA
5350	5360	5370	5380	5390	5400
AATTCCAAGC	AAAAATCCGC	TCGCTTCTTA	TGTCAGATAC	TTTGACCTGG	ATGAAGCTTT
5410	5420	5430	5440	5450	5460
CTGGGACAAG	GAAGTCAGCT	TGAAGTTTGA	CGGGGCGGCA	ACAGCCATCT	ATGTCTGGCT
5470	5480	5490	5500	5510	5520
GAACGGCCAC	TTCTGTCGGCT	ACGGGGAAGA	CTCCTTTACC	CCAAGCGAGT	TTATGGTTAC
5530	5540	5550	5560	5570	5580
CAAGTTCCTC	AAGAAAGAAA	ATAACCGCCT	GGCAGTGGCT	CTCTACAAGT	ATTCTTCCGC
5590	5600	5610	5620	5630	5640
CTCCTGGCTG	GAAGACCAGG	ACTTCTGGCG	CATGTCTGGT	TTGTTTCAAT	CAGTGACTCT
5650	5660	5670	5680	5690	5700
TCAGGCCAAG	CCGCGTCTGC	ACTTGGAGGA	CCTTAAGCTT	ACGGCCAGCT	TGACCGATAA
5710	5720	5730	5740	5750	5760
CTACCAAAAA	GGAAAGCTGG	AAGTCGAAGC	CAATATTGCC	TACCGCTTGC	CAAATGCCAG
5770	5780	5790	5800	5810	5820
CTTTAAGCTG	GAAGTGGGGG	ATAGTGAAGG	TGACTTGGTT	GCTGAAAAGC	TGGGCCCAAT
5830	5840	5850	5860	5870	5880
CAGAAGCGAG	CAGCTGGAAT	TCACTCTGGC	TGATTTGCCA	GTAGCTGCCT	GGAGCGCGGA
5890	5900	5910	5920	5930	5940
AAAGCCTAAC	CTTTACCAGG	TCCGCCTGTA	TTTATACCAG	GCAGGCAGCC	TCTTAGAGGT
5950	5960	5970	5980	5990	6000
TAGCCGGCAG	GAAGTGGGTT	TCCGCAACTT	TGAACTAAAA	GACGGGATTA	TGTACCTTAA

FIG. 6E

6010	6020	6030	6040	6050	6060
CGGCCAGCGG	ATCGTCTTCA	AGGGGGCCAA	CCGGCAGGAA	TTTGACAGTA	AGTTGGGTGG
6070	6080	6090	6100	6110	6120
GGCTATCAGC	GAAGAGGATA	TGATCTGGGA	CATCAAGACC	ATGAAGCGAA	GCAACATCAA
6130	6140	6150	6160	6170	6180
TGCTGTCCGC	TGCTCTCACT	ACCCGAACCA	GTCCCTCTTT	TACCGGCTCT	GTGACAAGTA
6190	6200	6210	6220	6230	6240
CGGCCTTTAC	GTCATTGATG	AAGCTAACCT	GGAAAGCCAC	GGCACCTGGG	AAAAAGTGGG
6250	6260	6270	6280	6290	6300
GGGGCAGGAA	GATCCTAGCT	TCAATGTTC	AGGCGATGAC	CAGCATTGGC	TGGGAGCCAG
6310	6320	6330	6340	6350	6360
CTTATCCCGG	GTGAAGAACA	TGATGGCTCG	GGACAAGAAC	CATGCTTCAA	TCCTAATCTG
6370	6380	6390	6400	6410	6420
GTCTTTAGGC	AATGAGTCTT	ACGCCGGCAC	TGCTTTTGCC	CAAATGGCTG	ATTACGTCCG
6430	6440	6450	6460	6470	6480
GAAGGCTGAT	CCGACCCGGG	TTCAGCACTA	TGAAGGGGTG	ACCCACAACC	GGAAGTTTGA
6490	6500	6510	6520	6530	6540
CGACGCCACC	CAGATTGAAA	GCCGGATGTA	TGCTCCGGCC	AAGGTAAITG	AAGAATACTT
6550	6560	6570	6580	6590	6600
GACCAATAAA	CCAGCCAAGC	CATTTATCTC	AGTTGAATAC	GCTCACGCCA	TGGGCAACTC
6610	6620	6630	6640	6650	6660
CGTCGGTGAC	CTGGCCGCCT	ACACGGCCCT	GGAAAAATAC	CCCCACTACC	AGGGCGGCTT
6670	6680	6690	6700	6710	6720
CATCTGGGAC	TGGATTGACC	AAGGACTGGA	AAAAGACGGG	CACCTGCTTT	ATGGGGGCGA
6730	6740	6750	6760	6770	6780
CTTCGATGAC	CGGCCAACCG	ACTATGAATT	CTGCGGGAAC	GGCCTGGTCT	TTGCTGACCG
6790	6800	6810	6820	6830	6840
GACTGAATCG	CCGAAACTGG	CTAATGTCAA	GGCCCTTTAC	GCCAACCTTA	AGTTAGAAGT
6850	6860	6870	6880	6890	6900
AAAAGATGGG	CAGCTCTTCC	TCAAAAACGA	CAATTTATTT	ACCAACAGCT	CATCTTACTA
6910	6920	6930	6940	6950	6960
CTTCTTGACT	AGTCTTTTGG	TCGATGGCAA	GTTGACCTAC	CAGAGCCGGC	CTCTGACCTT
6970	6980	6990	7000	7010	7020
TGGCCTGGAG	CCTGGCGAAT	CCGGGACCTT	TGCCCTGCCT	TGGCCGGAAG	TCGCTGATGA
7030	7040	7050	7060	7070	7080
AAAAGGGGAG	GTCGTCTACC	GGGTAACGGC	CCACTTAAAA	GAAGACTTGC	CTTGGGCGGA
7090	7100	7110	7120	7130	7140
TGAGGGCTTC	ACTGTGGCTG	AAGCAGAAGA	AGTAGCTCAA	AAGCTGCCGG	AATTTAAGCC
7150	7160	7170	7180	7190	7200
GGAAGGGCGG	CCAGATTTAG	TTGATTCCGA	CTACAACCTA	GGCCTGAAAG	GAAATAACTT

FIG. 6F

7210	7220	7230	7240	7250	7260
CCAAATTCTC	TTCTCCAAGG	TCAAGGGCTG	GCCGGTTTCC	CTCAAGTATG	CCGGTAGGGA
7270	7280	7290	7300	7310	7320
ATACTTGAAG	CGGCTGCCGG	AATTTACCTT	CTGGCGGGCC	CTGACGGACA	ACGACCGGGG
7330	7340	7350	7360	7370	7380
AGCTGGTTAC	GGCTATGATC	TGGCCCGGTG	GGAAAATGCC	GGCAAGTATG	CCCGCTTGAA
7390	7400	7410	7420	7430	7440
AGACATCAGC	TGCGAGGTCA	AGGAAGACTC	CGTTTTGGTC	AAGACTGCCT	TTACGTGACC
7450	7460	7470	7480	7490	7500
TGTCGCCTTA	AAGGGTGATT	TAACCGTGAC	CTATGAAGTC	GATGGACGGG	GCAAGATTGC
7510	7520	7530	7540	7550	7560
TGTAACAGCT	GACTTCCCAG	GCGCGGAAGA	AGCTGGTCTC	TTGCCAGCCT	TTGGCTTGAA
7570	7580	7590	7600	7610	7620
CCTGGCCCTG	CCAAAAGAAC	TGACCGATTG	CCGCTACTAT	GGTCTGGGAC	CTAATGAGAG
7630	7640	7650	7660	7670	7680
CTACCCAGAC	CGCTTGGAAG	GTAATTACCT	GGGCATCTAC	CAGGGAGCGG	TAAAAAGAA
7690	7700	7710	7720	7730	7740
CTTTAGCCCA	TATCGTCCGC	AGGAAAACGGG	CAACCGGAGC	AAGGTTCCGT	GGTACCAGCT
7750	7760	7770	7780	7790	7800
CTTTGATGAA	AAGGGCGGCT	TGGAATTTAC	GGCCAATGGG	GCAGACTTGA	ACTTGTCTGC
7810	7820	7830	7840	7850	7860
TTTGCCATAT	TCTGCCGCCC	AAATTGAAGC	AGCGGACCAC	GCTTTTGAAC	TGACTAACAA
7870	7880	7890	7900	7910	7920
TTACACTTGG	GTTAGAGCCT	TAAGCGCCCA	GATGGGGGTC	GGCGGGGATG	ACTCCTGGGG
7930	7940	7950	7960	7970	7980
GCAGAAGGTC	CACCCGGAAT	TCTGCCTGGA	TGCTCAAAAA	GCCCGCCAGC	TTGCCTGGGT
7990	8000	8010	8020	8030	8040
GATTCAGCCC	CTTTTACTAA	AATAAATGCT	ACAATTGACT	TAACAGGATG	AAATTTTAGT
8050	8060	8070	8080	8090	8100
AAAAGCAAAG	CGAGTGAGGA	AGATGGCAAC	GATCAGAGAA	GTGCCAAGGC	AGCCGGCGTG
8110	8120	8130	8140	8150	8160
TGCCTAGCGA	CGGTC.....	.....	.....	.....	.....

FIG. 6G

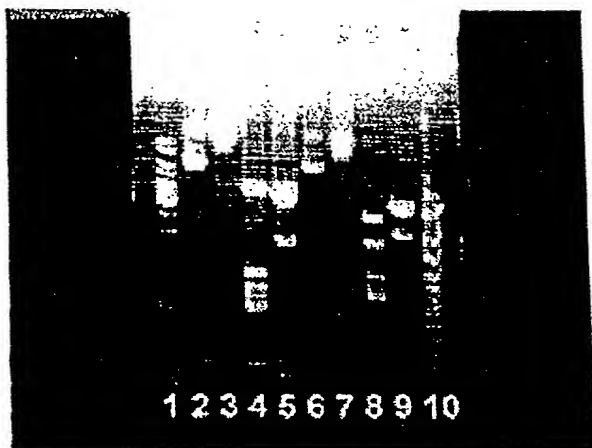


FIG. 7A

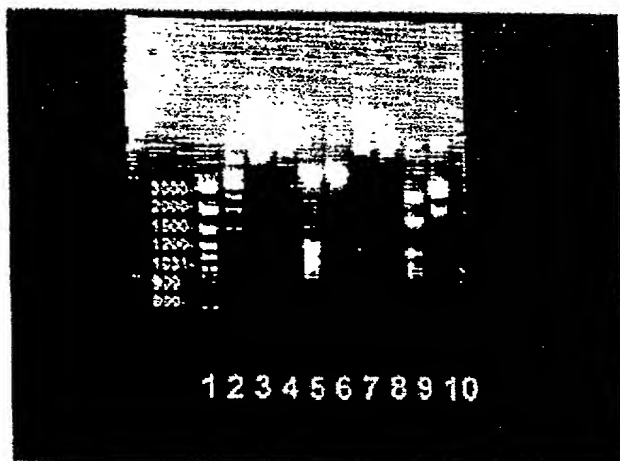


FIG. 7B